

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements

U.S. Department of Labor

Occupation Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY

AWAY DE-ICE (120085)

*Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that.*

Section I

Manufactured For: Beaver Research Company		Emergency Telephone Number 1-800-255-3924 (Chem-Tel)	
Address (Number, Street, City, State, and ZIP Code) 3700 E. Kilgore Road Portage, MI 49002		Telephone Number For Information 269-382-0133	
HMIS RATINGS: (based on aerosol conc.) 0=Minimal 3=Serious 1=Slight 4=Extreme 2=Moderate	Health: 2	Date Prepared 12/12/01	
	Fire: 0	Signature of Preparer (optional)	
	Reactivity: 1 Personal B Protection:		

DOT Hazard Class.: CONSUMER COMMODITY ORM-D

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	PEL	TWA/ TLV	Other Limits Recommended	WT %
Propylene Glycol	57-55-6	NE	NE	NA	80-100
Isopropyl Alcohol	67-63-0	NE	NE	NA	05-10
Carbon Dioxide Propellant	124-38-9	NE	NE	NA	01-05

Section III - Physical/Chemical Characteristics

Boiling Point	~140°F	Specific Gravity (H2O = 1)@75°F	0.797
Vapor Pressure of can (psig @ 72°F) (Based on Total Contents)	85	Total VOC % (Based on Total Contents)	~95%
Vapor Density (AIR = 1)	>1	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water Complete	pH N/A		
Appearance and Odor Clear Colorless Liquid, Mild Alcohol Odor			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) 45F (T.O.C)	Flammable Limits Extremely-Flammable Spray	LEL NA	UEL NA
Extinguishing Media Foam, CO₂, Dry Media.			
Special Fire Fighting Procedures Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.			
Unusual Fire and Explosion Hazards Exposure to temperature above 120°F may cause bursting.			

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid	NA
	Stable	X		
Incompatibility (Materials to Avoid)				
Avoid contact with strong oxidizing agents.				
Hazardous Decomposition or Byproducts				
Carbon Dioxide, Carbon Monoxide.				
Hazardous	May Occur		Conditions to Avoid	NA
	Polymerization	Will Not Occur		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

Eyes: May cause irritation redness and burning. **Skin:** Frequent or prolonged contact may cause irritation.**Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis. Minimal toxicity.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Signs and Symptoms of Exposure

See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure

NA

Emergency and First Aid Procedure

Eyes: Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately. **Skin:** Wash with mild water and vinegar solution. If irritation persists seek medical attention. **Inhalation:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration. **Ingestion:** Do not induce vomiting. Drink large quantities of water or milk, followed by citrus fruit juice. Seek medical attention immediately.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State and local laws.

Waste Disposal Method

Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.

Precautions to be Taken in Handling and Storage

KEEP OUT OF REACH OF CHILDREN. For industrial and institutional use only. Store in a cool, dry area away from heat or open flame. Do not store at temperatures above 120°F. **NFPA Code 30B Rating:** Level 1 Aerosol.

Other Precautions

NA

Section VIII - Control Measures

Respiratory Protection (Specify Type)

None needed for proper use in accordance with label directions.

Ventilation	Local Exhaust	Yes	Special	NA
	Mechanical(General)	NA	Other	NA

Protective Gloves

None needed for proper use in accordance with label directions. Use chemical resistant gloves if hand contact will be made.

Eye Protection

None needed unless it is anticipated that a splash or spray back will occur, then wear safety glasses or chemical proof goggles.

Other Protective Clothing or Equipment

NA

Work/Hygienic Practices

NA

The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.